## What is claimed is:

1. A vehicle navigation method for guiding path of a complex intersection, comprising the steps of:

generating a node and a link sequence from a path searching data;

extracting a terminal sharing node and link by comparing the node and link sequence with a map for terminal;

reconstructing a path guidance data of the complex intersection by using the extracted sharing node and link;

performing a map matching and a path following in a drive state on the basis of the reconstructed data; and

providing the followed path guidance information to a user.

- 2. The vahicle navigation method of claim 1, wherein the path searching data is provided from an external server or a self-system.
- 3. The vehicle navigation method of claim 1, wherein the reconstruction of the path guidance data is carried out by reconstructing a node and a link data of the complex intersection.
  - 4. The vehicle navigation method of claim 1, wherein the

step of reconstructing the path guidance data comprises the steps of:

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performing a grouping by using the sharing node and link of the complex intersection; and

patterning the grouped complex intersection.

5. The vahicle navigation method of claim 4, wherein the grouping step comprise the steps of:

defining a complex intersection configuration node of a navigation numeric map;

grouping the extracted sharing node by using the defined intersection name attribute; and

if a connectivity between the grouped nodes is secured, judging the complex intersection as a nodeset.

- 6. The vehicle navigation method of claim 5, wherein each node of the complex intersection has the same name.
- 7. The vehicle navigation method of claim 4, wherein the step of performing the grouping by using the link of the complex intersection comprises the steps of:

defining a complex intersection configuration link of a navigation numeric map;

grouping the extracted link by using a defined intraintersection link attribution; and

judging a link, which is not the intra-intersection link among the grouped links, as a connection link.

8. The vehicle navigation method of claim 4, wherein the step of patterning the grouped complex intersection comprises the steps of:

indexing nodes of the grouped complex intersection;

extracting a connection angle of a connection link coupled in a progressing direction of the indexed node;

integrating the complex intersection connection links by using the extracted connection angle; and

adding a special intersection attribute to the integrated complex intersection.

- 9. The vehicle navigation method of claim 1, wherein the path guidance information is provide on a screen and by a voice.
- 10. A vehicle navigation apparatus for guiding path of complex intersection, comprising:

means for generating a node and a link sequence from a path searching data;

means for extracting a terminal sharing node and link by comparing the node and link sequence with a map for terminal;

means for reconstructing a path guidance data of the complex intersection by using the extracted sharing node and link;

means for performing a map matching and a path following during a drive state on the basis of the reconstructed data; and

means for providing the followed path guidance information to a user.

- 11. The vehicle navigation apparatus of claim 10, wherein the path searching data is provided from an external server or a self-system.
- 12. The vehicle navigation apparatus of claim 10, wherein the reconstruction of the path guidance data is carried out by reconstructing a node and a link data of the complex intersection.
- 13. The vehicle navigation apparatus of claim 10, wherein the means for reconstructing the path guidance data comprises:

means for performing a grouping by using the sharing node and link of the complex intersection; and

means for patterning the grouped complex intersection.

14. The vehicle navigation apparatus of claim 13, wherein the means for performing the grouping comprises:

means for grouping the extracted sharing node by using a defined intersection name attribute; and

means for judging the complex intersection as a nodeset if a connectivity between the grouped nodes is secured.

- 15. The vehicle navigation apparatus of claim 14, wherein each node of the complex intersection has the same name.
- 16. The vehicle navigation apparatus of claim 13, wherein the means for performing the grouping comprises:

means for grouping the extracted link by using a defined intra-intersection link attribution; and

means for judging a link, which is not the intraintersection link among the grouped links, as a connection link.

The vehicle navigation apparatus of claim 13, wherein the means for patterning the grouped complex intersection comprises:

means for indexing nodes of the grouped complex intersection;

means for extracting a connection angle of a connection

link coupled in a progressing direction of the indexed node;

means for integrating the complex intersection connection links by using the extracted connection angle; and

means for adding a special intersection attribution to the integrated complex intersection.

## 18. A vehicle navigation system comprising:

a server for transmitting path data searched from a remote geographic/traffic information;

means for receiving the searched path data from the server;

means for receiving an information on a current vehicle

position from a GPS satellite;

means for extracting a drive information of the vehicle by using the received information on the vehicle position;

- a storage means having a geographic information stored therein;
- a path searching means for searching the geographic information stored in the storage means; and
- a guiding means for reconstructing path guidance data of the complex intersection by using the path data provided from the server and the path searching means to thereby perform a path guidance and provide a path information.